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2. A resin sheet comprising a gas barrier layer, a base layer, and one hard coat layer as an outermost layer, wherein the hard coat layer has recesses and protrusions on the outer surface thereof and contains transparent particles.

4. The resin sheet of claim 1, wherein the surface having recesses and protrusions has a peak-to-valley distance of from 20 to 80 nm.

6. The resin sheet of claim 1, wherein the base layer comprises an epoxy resin.

8. A process for producing the resin sheet of claim 1 which includes the step of transferring the shape of recesses formed in a support to thereby form recesses and protrusions

on a surface of a hard coat layer.

9. A liquid crystal display which uses the resin sheet of claim 1.

10. A resin sheet comprising a gas barrier layer, a base layer, and two hard coat layers respectively as the outermost layers, wherein at least one of the hard coat layers contains transparent particles.

11. A resin sheet comprising a gas barrier layer, a base layer, and one hard coat layer as an outermost layer, wherein the hard coat layer contains transparent particles.

12. The resin sheet of claim 10, wherein the transparent particles are spherical particles, the difference in refractive index between the spherical particles and the matrix resin constituting the hard coat layer being from 0.03 to 0.10.

13. The resin sheet of claim 10, wherein the base layer comprises an epoxy resin.

14. The resin sheet of claim 10, wherein the hard coat layers comprise a urethane resin.

15. A liquid crystal display which uses the resin sheet of claim 10.

16. A resin sheet comprising a gas barrier layer, a base layer, and one hard coat layer as an outermost layer, wherein the hard coat layer has recesses and protrusions on the outer surface thereof.

17. The resin sheet of claim 16, wherein the surface having recesses and protrusions has a surface roughness of from 80 to 500 nm.

18. The resin sheet of claim 16, wherein the surface having recesses and protrusions has a peak-to-valley distance of from 20 to 80 nm.

19. The resin sheet of claim 16, wherein the base layer comprises an epoxy resin.

20. The resin sheet of claim 16, wherein the hard coat layer comprises a urethane resin.

21. A process for producing the resin sheet of claim 16 which includes the step of transferring the shape of recesses formed in a support to thereby form recesses and protrusions on a surface of a hard coat layer.

22. A liquid crystal display which uses the resin sheet of claim 1.

23. An organic electroluminescent display which uses the resin sheet of claim 1.

24. An organic electroluminescent display which uses the resin sheet of claim 10.

23. An organic electroluminescent display which uses the resin sheet of claim 16.